

Dear editors,

We have revised the manuscript (NO:87679) according to the opinions of all the reviewers, the Science editor and the Company editor-in-chief one by one. All the figures in our experiment are original, and we have organized the decomposable figures into a PowerPoint file and labeled Copyright ©The Author(S) 2023.

Reviewer #1:

1.Fig 1: The flow chart can be renamed as a graphical abstract.

Answer: We have renamed the flow chart to graphical abstract (Page 3, Line 3).

2.Cell Culture Section: 'penicicin' should be renamed as 'penicillin.'

Answer: The spelling error of the word has been corrected (Page5, Line 5).

3. In the 'Effect of GA on HK-2 Cell Cycle Induced by High Sugar Detected by Flow Cytometry' section, the sentence should be revised to: 'The stem cells were digested and collected. (Please check if this is correct).'

Answer: We have corrected the sentence to "Effect of GA on HK-2 cell cycle induced by high sugar was detected by flow cytometry". (Page 5, Line 22)

4.The image quality is not good.

Answer: We have revised the quality of the images.

5. There are too many places where there are no proper gaps between words.

Answer: We have polished up the language quality of the entire text. And we had sent the manuscript to a professional English language editing company to revise and polish the language

Reviewer #2:

1.Introduction: Author should add brief overview regarding the structural and functional aspects of the renal system and mechanism of diabetic nephropathy for the better understanding.

Answer: We have added an introduction to the structure and function of the

kidneys (Page1, Line 36)

2.It is suggested that author should write either diabetic kidney disease or diabetic nephropathy throughout the manuscript to avoid confusion and for better understanding. Some of the information is misleading for example:Glycyrrhetic acid (GA) is the product of the metabolism of glycyrrhetic acid into the blood by the liver. Glycyrrhizidine may protect the kidney of diabetic rats by inhibiting iron death and VEGF/AKT/ERK pathway[9].

Answer: We have decided to use " diabetic neuropathy", and made full text modifications.

3.Author must thoroughly proofread all the information written in the manuscript. Figure 1 is not at high resolution. It is difficult to understand the flowchart.

Answer: We have renamed the flow chart to graphical abstract (Page 3, Line 3) and have revised the quality of the images.

4.Materials and methods Author should briefly write the significance of all the databases and tools used in the study.

Answer: We have added section of the importance of the database. (Page 3, Line 8)

5.In section, 1.9.4. CCK8 method was used to detect the half inhibitory concentration of GA. Author should mention the full form of CCK8, explain the principle and mechanism of the assay and also include the reference of the previous study.

Answer:

6.In section, 2.7 Half inhibitory concentration of 2.8GA. Heading needs correction. Results Figures are not at high resolution. Author must include clear and high resolution images and also write proper and detailed legends of all the figures.

Answer: We have corrected the title and used high-resolution images. (Page 11, Line 6)

If you have any questions, please don't hesitate to contact me.

Looking forward to your reply. Thanks!

Sincerely yours

Yi Nan